

Title (en)
MEDICAL DEVICE DELIVERY SYSTEM WITH SHEATH HAVING BALLOON-RELATIVE POSITION

Title (de)
System zur Bereitstellung einer medizinischen Vorrichtung mit Ummantelung mit ballonrelativer Position

Title (fr)
Système de délivrance de dispositif médical avec gaine à position relative du ballon

Publication
EP 2656871 A1 20131030 (EN)

Application
EP 13178193 A 20080623

Priority

- US 76619807 A 20070621
- US 92995807 A 20071030
- US 93063407 A 20071031
- EP 08771745 A 20080623
- US 2008067898 W 20080623

Abstract (en)
A delivery system for delivering a self- expanding medical device such as a stent (16) includes the stent mounted on a balloon portion (30) of a catheter. A sheath (18, 40) is provided around the stent to hold the device in place in a compressed state. A portion of the sheath (42, 44) is positioned at a predetermined location, or within a predetermined range of locations, on the circumference of the sheath. The predetermined location or range of locations are determined with respect to a configuration of the balloon portion. The sheath may be profiled or shaped to reduce instances of interference between a distal edge of the sheath and a vessel or with any lesion or lesions that might be present in the vessel. The sheath is formed by modifying a cylinder of sheath material to include three portions and an initiation slit (602) that controls the rupturing of the sheath to facilitate delivery of the medical device.

IPC 8 full level
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CPC (source: EP)
A61F 2/958 (2013.01); **A61M 25/1038** (2013.01); **A61F 2/97** (2013.01); **A61F 2002/9583** (2013.01)

Citation (applicant)
US 6656213 B2 20031202 - SOLEM JAN OTTO [SE]

Citation (search report)

- [E] WO 2009009636 A1 20090115 - BOSTON SCIENT SCIMED INC [US]
- [AD] WO 0197715 A1 20011227 - SOLEM JAN OTTO [CH]
- [A] WO 0222053 A2 20020321 - ENDOTEX INTERVENTIONAL SYS INC [US]
- [A] US 2005125021 A1 20050609 - NANCE EDWARD J [US], et al

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WO 2008157830 A1 20081224; EP 2170230 A1 20100407; EP 2656871 A1 20131030; EP 2656871 B1 20201209; IL 202838 A0 20100630; IL 202838 A 20151130; JP 2010530792 A 20100916; JP 5667873 B2 20150212

DOCDB simple family (application)
US 2008067898 W 20080623; EP 08771745 A 20080623; EP 13178193 A 20080623; IL 20283809 A 20091220; JP 2010513484 A 20080623